

1 HOUSE RESOLUTION

2 WHEREAS, The members of the House of Representatives of
3 the State of Illinois are pleased to congratulate Dr. Anthony
4 J. Leggett on winning the 2003 Nobel Prize in physics; and

5 WHEREAS, Dr. Leggett is a world leader in the theory of
6 low-temperature physics and a faculty member at the
7 University of Illinois at Urbana-Champaign; he was lauded for
8 pioneering contributions to the theory of superconductors and
9 superfluids; his discovery, that superfluids exhibit the same
10 properties observed in quantum mechanics, can be used to help
11 test whether the laws of quantum physics hold on a large
12 scale; and

13 WHEREAS, Dr. Leggett holds the John D. and Catherine T.
14 MacArthur Chair of Physics and is a professor in the Center
15 of Advanced Study at the University of Illinois; he shaped
16 the theoretical understanding of normal and superfluid helium
17 liquids and other strongly coupled superfluids; in the 1970s,
18 he formulated a decisive theory explaining how atoms interact
19 and are ordered in the superfluid state of the rare isotope
20 He-3; and

21 WHEREAS, Dr. Leggett's groundbreaking theoretical work
22 has helped provide a better understanding of both
23 high-temperature superconductivity and low-temperature
24 superfluidity; he was cited in the announcement of the 1996
25 Nobel Prize in physics for assisting the prize winners in
26 their interpretation of the experiments that led to a
27 breakthrough in low-temperature physics; his areas of
28 research also have included foundations of quantum mechanics
29 and the thermal and acoustic properties of glass; therefore,
30 be it

31 RESOLVED, BY THE HOUSE OF REPRESENTATIVES OF THE
32 NINETY-THIRD GENERAL ASSEMBLY OF THE STATE OF ILLINOIS, that

1 we congratulate Dr. Anthony J. Leggett on being named a
2 winner of the 2003 Nobel Prize in physics; and be it further

3 RESOLVED, That a suitable copy of this resolution be
4 presented to Dr. Leggett as an expression of our respect and
5 esteem.